

IN THE CLAIMS

Cancel claim 17 without prejudice or disclaimer, and amend claims 1, 2, 5, 9, 13 and 14, and add new claims 25 and 26 as follows:

1. (Currently Amended) A digital broadcasting system comprising a digital broadcasting transmission apparatus for broadcasting data groups; and

a digital broadcasting receive apparatus for receiving said data groups directly or indirectly through a data distribution part,

wherein said digital broadcasting transmission apparatus has a transmission means for multiplexing, in which ordinary data that are presently on-broadcasting, identification data that permit to discriminate between a datum broadcast already and a datum to be broadcast in the future, and index data that relate such identification data to broadcasting hours thereof, are multiplexed to compose data to be digitally-broadcast; and for broadcasting said index data repeatedly ~~and broadcasting ordinary data to be broadcasted as present programs and index data defined as identification information of data broadcasted in past or to be broadcasted in future.~~

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2. (Currently Amended) A digital broadcasting system of Claim 1, wherein said index data includes a data ID of the data broadcasted in the past or to be broadcasted in the future, and a remote memory location from which the data can be downloaded.

3. (Previously Presented) A digital broadcasting system of claim 1, wherein said digital broadcasting transmission apparatus adds distinctive identifiers individually to said ordinary data and said index data.

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4. (Previously Presented) A digital broadcasting system of Claim 1, wherein said digital broadcasting receive apparatus has a data separation means for identifying said ordinary data and said index data separately among the received data groups of digital broadcasting.

5. (Currently Amended) A digital broadcasting system of Claim 4, wherein said digital broadcasting receive apparatus has a judge means for determining whether an original data are downloaded in the apparatus itself or not by referring to an-a data ID in said received index data.

6. (Original) A digital broadcasting system of claim 5, wherein said digital broadcasting receive apparatus is a mobile terminal, and has a download request means for allowing to select the necessity for downloading by displaying index data of an original data not downloaded yet.

7. (Original) A digital broadcasting system of claim 6, wherein said mobile terminal has a transmission means for putting out contents requested by said download request means, and a receive means for receiving digital broadcasting contents or download data selectively.

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8. (Previously Presented) A digital broadcasting system of claim 7, wherein said transmission means of said mobile terminal adds and puts out said requested contents with a public-key used exclusively for an individual user or an individual terminal.

9. (Currently Amended) A digital broadcasting system of claim 1, wherein said digital broadcasting receiver apparatus is an information service station relay apparatus (hereinafter referred to as "information service station" and has a data receiver receive means for receiving said digital broadcasting contents, and a data memory means for storing said ordinary

data and said index data separately among received data groups.

10. (Original) A digital broadcasting system of Claim 9, wherein said information service station has an input means for accepting a download request;

a data management means for referring to an index data corresponding to requested data in case that said data memory means does not contain requested data, and directing said requested data to be retrieved from a remote memory location specified by said index data; and

*By  
cont.* a distribution means for transmitting download data to a requester.

11. (Original) A digital broadcasting system of claim 10, wherein said information service station has a security management means for encrypting said download data by using a cipher key specified by said requester.

12. (Previously Presented) A digital broadcasting system of Claim 10, wherein said information service station transmits a verification information for verifying a fact that said requester obtains an distributed information along with

said download data, and acknowledges a response to said verification information, and processes a billing operation.

13. (Currently Amended) A mobile terminal embedding a computer that executes ~~executing~~ plural ~~installed~~ software programs installed therein including a map navigation program comprising:

a communication means for receiving digital broadcasting contents;

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an input means for accepting an operation input by a user;

       an information memory means for storing programs and related data;

a display means for displaying an execution result of programs and a operation screen; and

a control means for managing captured programs and data a ~~program and data captured~~ from said communication means and said input means, wherein

       said information memory means stores a management information data including an information ID of said programs and data independently of said programs and data themselves; and

       said mobile terminal receives, as a time division multiplex data of said digital broadcasting contents and along

with ordinary data that is said programs and related data  
presently on-broadcasting, index data that relate data  
identification information to broadcasting hours of data  
broadcast already or scheduled for broadcasting, and displays  
said data identification information and corresponding  
broadcasting hours contained in said index data received.

14. (Currently Amended) A mobile terminal of Claim 13,  
wherein

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\_\_\_\_ when said control means receives said an index data  
including data ID's of the data already broadcasted or to be  
broadcasted in the future along with said ordinary data  
including programs and related data as time division multiplex  
data of said digital broadcasting contents through said  
communication means, said control means extracts a data ID's  
IDs of data not yet downloaded from among data covered by said  
index data by referring to management data stored in said  
information memory means, and displays said data IDs with said  
display means.

15. (Previously Presented) A mobile terminal of claim  
13, wherein

said input means has an external media input means allowing an IC card and/or an external memory media to be inserted, and

    when a designated memory media is inserted and a download operation is requested by said input means, said management data stored in said information memory means are read out and stored in an inserted memory media.

16. (Original) A mobile terminal of claim 15, wherein  
*16. Cont.*  
    said designated memory media is an IC card, and stores a mobile terminal number and/or user number, and a cipher key for download operation.

17-24. (Canceled)

25. (New) A digital broadcasting system of claim 2, wherein said digital broadcasting receiver apparatus is an information service station and has a data receiver for receiving said digital broadcasting contents, and a data memory means for storing said ordinary data and said index data separately among received data groups.

26. (New) A digital broadcasting system of claim 3, wherein said digital broadcasting receiver apparatus is an

information service station and has a data receiver for receiving said digital broadcasting contents, and a data memory means for storing said ordinary data and said index data separately among received data groups.

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